

Key

# "How do rabbits travel?"

Factor the following expressions. The answer to each problem will match a letter that will allow you to figure out the joke.

1.  $15x^2 + 8x + 1$

~~B.  $(2x - 3)(5x + 7)$~~

2.  $2x^2 + 15x + 7$

W.  $(3x - 1)(x - 2)$

M.  $(2x + 7)(x - 1)$

3.  $3x^2 + x - 2$

~~E.  $(2x - 1)(7x + 4)$~~

~~A.  $(3x - 2)(x + 1)$~~

4.  $4x^2 - 21x + 5$

~~N.  $(5x + 1)(3x + 1)$~~

U.  $(2x - 5)(2x - 1)$

5.  $6x^2 - 17x + 5$

G.  $(14x + 1)(x - 4)$

~~L.  $(2x + 1)(x + 7)$~~

6.  $14x^2 + x - 4$

H.  $(5x + 3)(7x - 16)$

T.  $(10x - 1)(x + 21)$

7.  $10x^2 - x - 21$

~~R.  $(3x - 1)(2x - 5)$~~

~~P.  $(3x + 22)(x - 2)$~~

8.  $3x^2 + 16x - 44$

X.  $(7x - 9)(5x + 2)$

~~Y.  $(4x - 1)(x - 5)$~~

9.  $35x^2 - 59x - 48$

Q.  $(6x - 5)(x - 1)$

B Y H A R E R L A N E  
7 4 9 3 5 6 8 2 3 1 6

# "What kind of birds do you usually find locked up?"

Factor the following expressions. Watch out for GCFs.

The answer to each problem will match a letter that will allow you to figure out the joke.

1.  $5x^2 - 125$

2.  $3x^2 + 18x - 48$

3.  $x^4 + 13x^3 + 30x^2$

4.  $x^2 - xy - 12y^2$

5.  $4x^2 - 36$

6.  $7x^2 - 98x + 343$

7.  $2x^3 + 6x^2 - 108x$

8.  $-4x^2 + 196$

9.  $x^4y - 14x^3y^2 + 48x^2y^3$

V.  $2(x - 18)(x + 3)$

~~I.  $(x - 4y)(x + 3y)$~~

H.  $x(x + 5)(x + 6)$

~~R.  $x^2(x + 3)(x + 10)$~~

B.  $x^2y(x - 6y)(x - 8y)$

E.  $4(x + 2)(x - 7)$

~~S.  $5(x - 5)(x + 5)$~~

~~D.  $2x(x - 6)(x + 9)$~~

C.  $3(x + 4)(x - 4)$

T.  $(x - 2y)(x + 6y)$

~~L.  $7(x - 7)^2$~~

~~A.  $4(x - 3)(x + 3)$~~

~~J.  $-4(x - 7)(x + 7)$~~

W.  $7(x - 9)(x + 2)$

~~I.  $3(x - 2)(x + 8)$~~

P.  $2(x + 4)(x + 13)$

J A I L B I R D S  
 8 5 2 6 9 4 3 7 1